INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2004/005808

A. CLASSIFICATION OF SUBJECT MATTER Int.Cl ⁷ H01L27/148, H04N5/335					
According to International Patent Classification (IPC) or to both national classification and IPC					
B. FIELDS SEARCHED					
Mir		entation searched (classification system followed by classification system)	ssification symbols)		
	Int.Cl'	H01L27/148, H04N5/335			
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched					
Dog	Jitsuyo Shinan Koho 1922–1996 Jitsuyo Shinan Toroku Koho 1996–2004				
Ī	Kokai Jitsuyo Shinan Koho 1971-2004 Toroku Jitsuyo Shinan Koho 1994-2004				
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)					
C. DOCUMENTS CONSIDERED TO BE RELEVANT					
Category* Citation of document, with indication, where appropriate, of the relevant passages			Relevant to claim No.		
 	х	JP 55-165687 A (Fujitsu Ltd.)	,	1,3,4,5,6	
	Y	24 December, 1980 (24.12.80),		2.	
		Full text; all drawings (Family: none)			
1	y JP 11-136558 A (Hamamatsu Photonics Kabushiki			.2	
	Kaisha),				
1		21 May, 1999 (21.05.99), Full text; all drawings			
1		(Family: none)			
1	TD F 192400 A (Bigob Co. I+d.)		2		
1	y JP 5-182490 A (Ricoh Co., Ltd.), 23 July, 1993 (23.07.93),				
		Full text; all drawings			
		(Family: none)			
1	İ				
}					
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Further documents are listed in the continuation of Box C. See patent family annex.					
* "A'	document d	gories of cited documents: lefining the general state of the art which is not considered	"T" later document published after the int date and not in conflict with the applic the principle or theory underlying the	cation but cited to understand	
"E"	to be of part carlier appli	licular relevance ication or patent but published on or after the international	"X" document of particular relevance; the considered novel or cannot be cons	claimed invention cannot be	
"L"	filing date document v	which may throw doubts on priority claim(s) or which is	step when the document is taken alone	e	
	cited to est	ablish the publication date of another citation or other on (as specified)	"Y" document of particular relevance; the considered to involve an inventive	step when the document is	
"0"	document re	eferring to an oral disclosure, use, exhibition or other means	combined with one or more other such being obvious to a person skilled in the	h documents, such combination	
"P"		ublished prior to the international filing date but later than date claimed	"&" document member of the same patent	•	
The Standard sound sound sound					
Da	Date of the actual completion of the international search 05 July, 2004 (05.07.04)		Date of mailing of the international sea 20 July, 2004 (20.		
	os out.	y, 2004 (03.01.04)	25 5421, 2004 (20.	- · / .	
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_	_		Telephone No.		
For	csimile No. m PCT/ISA/2	10 (second sheet) (January 2004)			
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